

PTO/SB/08A (07-05)

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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SHEET 1 of 2

**Complete if Known**

Application Number	10/564,902
Filing Date	June 15, 2006
First Named Inventor	William Patrick Hems
Art Unit	1621
Examiner Name	
Attorney Docket No.	JMYS-140US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-6,720,439-B1	04-13-2004	Ohkuma et al.	
	2	US-2003/0045727-A1	03-06-2003	Nakano et al.	
	3	US-2002/0095056-A1	07-18-2002	Cobley et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	4	EP-1 323 724-A2	07-02-2003	Kanto Kagaku Kabushiki Kaisha		<input type="checkbox"/>
	5	EP-1 146 037-A1	10-17-2001	Nippon Soda Co., Ltd.		<input type="checkbox"/>
	6	EP-1 134 226-A2	09-19-2001	Takasago International Corporation		<input type="checkbox"/>
	7	EP-0 718 265-B1	08-23-2000	NKK Corporation et al.		<input type="checkbox"/>
	8	JP-2003-104993-A	04-09-2003	Nagoya Industrial Science Research Institute		<input type="checkbox"/>
	9	JP-2002-284790-A	10-03-2002	Nippon Soda Co., Ltd.		<input checked="" type="checkbox"/>
	10	JP-11-189558-A	07-13-1999	Japan Science & Technology Corp. et al.		<input checked="" type="checkbox"/>
	11	WO-03/048173-A1	06-12-2003	Chirotech Technology Limited		<input type="checkbox"/>
	12	WO-01/74829-A1	10-11-2001	Chirotech Technology Limited		<input type="checkbox"/>
	13	WO-01/58843-A1	08-16-2001	Asahi Kasei Kabushiki Kaisha		<input type="checkbox"/>
	14	WO-99/24410-A1	05-20-1999	The Pennsylvania State University		<input type="checkbox"/>

Examiner  
SignatureDate  
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<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number

Filing Date

First Named Inventor

Art Unit

Examiner Name

Attorney Docket No.

SHEET 2 of 2

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	15	EKKHARD LINDNER et al., "Supported organometallic complexes Part XXXV. Synthesis, characterization, and catalytic application of a new family of diamine(diphosphine)ruthenium(II) complexes," <i>Journal of Organometallic Chemistry</i> , Vol. 665 (2003), pp. 176-185.	<input type="checkbox"/>
	16	TAKESHI OHKUMA et al., "trans-RuH( $\eta^1$ -BH <sub>4</sub> )(binap)(1,2-diamine): A Catalyst for Asymmetric Hydrogenation of Simple Ketones under Base-Free Conditions," <i>J. Am. Chem. Soc.</i> , Vol. 124, No. 23, 2002, pp. 6508-6509.	<input type="checkbox"/>
	17	JANINE COSSY et al., "Ruthenium-catalyzed asymmetric reduction of 1,3-diketones using transfer hydrogenation," <i>Tetrahedron Letters</i> , Vol. 42 (2001), pp. 5005-5007.	<input type="checkbox"/>
	18	DENDUKURI NAGAMANI et al., "Pyrrolidyl Polyamines: Branched, Chiral Polyamine Analogues That Stabilize DNA Duplexes and Triplexes," <i>Organic Letters</i> , 2001, Vol. 3, No. 1, pp. 103-106.	<input type="checkbox"/>
	19	CHING-WEN LIN et al., "A highly efficient and stereospecific borane reduction of spiro[4.4]nonane-1,6-dione catalyzed by a chiral oxazaborolidine," <i>Tetrahedron Letters</i> , Vol. 41 (2000), pp. 4425-4429.	<input type="checkbox"/>
	20	JACQUELINE S. BARLOW et al., "New building blocks for efficient and highly diastereoselective polyol production—synthesis and utility of (R',R',S,S) and (S',S',R,R)-2,3-butane diacetal protected butane tetrol derivatives," <i>J. Chem. Soc., Perkin Trans. 1</i> , 1999, pp. 1627-1629.	<input type="checkbox"/>
	21	GEORGE H. P. ROOS et al., "Synthesis of novel C <sub>2</sub> -symmetric ligands based on (R,R)- and (S,S)-diphenyl-1,3-propanediol," <i>Tetrahedron: Asymmetry</i> , Vol. 10 (1999), pp. 991-1000.	<input type="checkbox"/>
	22	TAKESHI OHKUMA et al., "BINAP/1,4-Diamine—Ruthenium(II) Complexes for Efficient Asymmetric Hydrogenation of 1-Tetralones and Analogues," <i>Organic Letters</i> , Vol. 6, No. 16, 2004, pp. 2681-2683.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner  
Signature

/Joseph Kosack/

Date  
Considered

01/28/2009

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<sup>1</sup>Applicant's unique citation designation number (optional).<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

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